SIEMENS

product brand name

Data sheet 3RW5227-3TC14

SIRIUS



SIRIUS soft starter 200-480 V 93 A, 110-250 V AC spring-type terminals Thermistor input

product brand name	Olivioo
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
of standard HMI module usable	3RW5980-0HS00
of high feature HMI module usable	3RW5980-0HF00
• of communication module PROFINET standard usable	3RW5980-0CS00
 of communication module PROFIBUS usable 	3RW5980-0CP00
• of communication module Modbus TCP usable	3RW5980-0CT00
• of communication module Modbus RTU usable	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
of circuit breaker usable at 400 V	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 15 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
• of circuit breaker usable at 400 V at inside-delta circuit	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 15 kA, CLASS 10
• of circuit breaker usable at 500 V at inside-delta circuit	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3136-6; Type of coordination 1, Iq = 65 kA
• of the gG fuse usable at inside-delta circuit up to 500 V	3NA3136-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1224-0; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE4124; Type of coordination 2, Iq = 65 kA
eneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	No
• is supported HMI-Standard	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	Yes 3
· · · · · · · · · · · · · · · · · · ·	
number of controlled phases	3
number of controlled phases trip class	3

inaulation valtage rated value	000 \
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 400 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
product function	
ramp-up (soft starting)	Yes
ramp-down (soft stop)	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick
• inside-delta circuit	Yes
• auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes; By turning off the control supply voltage
 communication function 	Yes
 operating measured value display 	Yes; Only in conjunction with special accessories
error logbook	Yes; Only in conjunction with special accessories
 via software parameterizable 	No
 via software configurable 	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
firmware update	Yes
 removable terminal for control circuit 	Yes
torque control	No
analog output	No
Power Electronics	
operational current	
 at 40 °C rated value 	93 A
 at 50 °C rated value 	82.5 A
at 60 °C rated value	75.5 A
operational current at inside-delta circuit	
• at 40 °C rated value	161 A
• at 50 °C rated value	143 A
• at 60 °C rated value	131 A
operating voltage	
• rated value	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
at 230 V at 40 °C rated value	22 kW
• at 230 V at inside-delta circuit at 40 °C rated value	45 kW
• at 400 V at 40 °C rated value	45 kW
at 400 V at inside-delta circuit at 40 °C rated value	90 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz

relative negative tolerance of the operating frequency	10 %
relative positive tolerance of the operating frequency	10 70
adjustable motor current	40.5.4
at rotary coding switch on switch position 1	40.5 A
at rotary coding switch on switch position 2	44 A
at rotary coding switch on switch position 3	47.5 A
 at rotary coding switch on switch position 4 	51 A
 at rotary coding switch on switch position 5 	54.5 A
 at rotary coding switch on switch position 6 	58 A
 at rotary coding switch on switch position 7 	61.5 A
 at rotary coding switch on switch position 8 	65 A
 at rotary coding switch on switch position 9 	68.5 A
 at rotary coding switch on switch position 10 	72 A
 at rotary coding switch on switch position 11 	75.5 A
 at rotary coding switch on switch position 12 	79 A
 at rotary coding switch on switch position 13 	82.5 A
 at rotary coding switch on switch position 14 	86 A
 at rotary coding switch on switch position 15 	89.5 A
 at rotary coding switch on switch position 16 	93 A
minimum	40.5 A
djustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	70.1 A
 for inside-delta circuit at rotary coding switch on switch position 2 	76.2 A
 for inside-delta circuit at rotary coding switch on switch position 3 	82.3 A
 for inside-delta circuit at rotary coding switch on switch position 4 	88.3 A
 for inside-delta circuit at rotary coding switch on switch position 5 	94.4 A
 for inside-delta circuit at rotary coding switch on switch position 6 	100 A
 for inside-delta circuit at rotary coding switch on switch position 7 	107 A
 for inside-delta circuit at rotary coding switch on switch position 8 	113 A
 for inside-delta circuit at rotary coding switch on switch position 9 	119 A
 for inside-delta circuit at rotary coding switch on switch position 10 	125 A
 for inside-delta circuit at rotary coding switch on switch position 11 	131 A
for inside-delta circuit at rotary coding switch on switch position 12	137 A
for inside-delta circuit at rotary coding switch on switch position 13	143 A
for inside-delta circuit at rotary coding switch on switch position 14	149 A
for inside-delta circuit at rotary coding switch on switch position 15 for inside delta circuit at rotary coding switch on switch as a switch on switch as a switch on switch as a switch on switch o	155 A
for inside-delta circuit at rotary coding switch on switch position 16	161 A
at inside-delta circuit minimum pinimum lood [9/]	70.1 A
ninimum load [%]	15 %; Relative to smallest settable le
nower loss [W] for rated value of the current at AC	40 W
at 40 °C after startup	40 W
at 50 °C after startup	37 W
• at 60 °C after startup	35 W
power loss [W] at AC at current limitation 350 %	
at 40 °C during startup	1 270 W
 at 50 °C during startup 	1 077 W
at 60 °C during startup	959 W
ontrol circuit/ Control	

* a 150 It2 * a 15	control cumply voltage at AC	
** #10 Nz.** ** #10 Nz.** ** **Control supply voltage at AC at 60 Nz.** ** **Control supply voltage at AC at 60 Nz.** ** **Control supply voltage frequency	control supply voltage at AC	110 250 //
relative negative tolerance of the control supply voltage at AC at 50 Hz. relative positive tolerance of the control supply voltage at AC at 50 Hz. AC at 50 Hz. AC at 50 Hz. relative negative tolerance of the control supply voltage at AC at 50 Hz. AC at 50 Hz. relative positive tolerance of the control supply voltage at AC at 50 Hz. AC at 50 Hz. control supply voltage frequency relative negative tolerance of the control supply voltage frequency. 10 % 50 00 Hz. relative positive tolerance of the control supply voltage frequency. 10 %		
AC at 50 Hz AC at		
AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative possitive tolerance of the control supply voltage at AC at 60 Hz relative possitive tolerance of the control supply voltage at AC at 60 Hz relative possitive tolerance of the control supply voltage frequency relative possitive tolerance of the control supply voltage frequency relative possitive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value holding current by closing the bypass contacts maximum nursh current by closing the bypass contacts maximum funsh current peak at application of control supply voltage maximum design of short-circuit protection for control circuit design of short-circuit protection for control circuit the parameterization design of short-circuit protection for control circuit * on parameterizative * on parameterizative * on parameterizative * on parameterizative * on the parameterizative * of C-13 at 25 V rated value * of C-13	AC at 50 Hz	
AC at 80 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value holding current in bypass operation rated value funds on finnish current peak at application of control supply voltage design of abort-circuit protection for control circuit supplied to current peak at application of control supply voltage design of other-circuit protection for control circuit supplied to current peak at application of control supply voltage number of digital curputs 1		10 %
AC at 69 Hz relative negative foliance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value holding current in bypass operation rated value finish current peak at application of control supply voltage maximum duration of innus current peak at application of control supply voltage design of the overvoltage protection design of other overvoltage protection design of other overvoltage protection design of other overvoltage protection ### Ag G fuse (fus=1 kA), 6 A quick-acting fuse (fus=1 kA), C1 ministure circuit breaster (fus=200 A), 6 ministure circuit breaster (fus=300 A), is not part of supply ### Ag G fuse (fus=1 kA), 6 A quick-acting fuse (fus=1 kA), C1 ministure circuit breaster (fus=200 A), 6 ministure circuit breaster (fus=300 A), is not part of supply ### Ag G fuse (fus=1 kA), 6 A quick-acting fuse (fus=1 kA), C1 ministure circuit breaster (fus=200 A), 6 ministure circuit breaster (fus=300 A), is not part of supply of supply ### Ag G fuse (fus=1 kA), 6 A quick-acting fuse (fus=1 kA), C1 ministure circuit breaster (fus=200 A), 6 ministure circuit breaster (fus=300 A), is not part of supply of supply ### Ag G fuse (fus=1 kA), 6 A quick-acting fuse (fus=1 kA), C1 ministure circuit breaster (fus=200 A), 6 ministure circuit breaster (fus=300 A), is not part of supply of supply ### Ag G fuse (fus=1 kA), 6 A quick-acting fuse (fus=1 kA), C1 ministure circuit breaster (fus=200 A), 6 ministure circuit supply active fuse fuse fuse fuse fuse fuse fuse fus		-15 %
relative negative olerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value 75 mA holding current in bypass operation rated value 75 mA incush current by closing the bypass contacts maximum 25 A minush current peak at application of control supply voltage maximum current peak at application of control supply voltage maximum current peak at application of control supply voltage design of the overvoltage protection of supply voltage of supp		10 %
requency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value Innah current by closing the bypass contacts maximum Innah current peak at application of control supply voltage maximum design of this overvoltage protection design of the overvoltage protection Varietr 4 A gG fuse (lou*1 kA), 6 A quick-acting fuse (lou*1 kA), C1 miniature circuit breaker (lou*2 500 A). C6 miniature circuit breaker (lou*2 500 A), 1s not part of scope of supply Inputs/Outputs Inputs/Outputs/Outputs Inputs/Outputs/Outputs/Outputs Inputs/Outputs/O	control supply voltage frequency	50 60 Hz
requency control supply current in standby mode rated value holding current in bypass operation rated value rinrush current peck at application of control supply voltage maximum 2.5 A Insula current peak at application of control supply voltage maximum 2.2 ms design of history-circuit protection of control supply voltage design of short-circuit protection for control circuit 4.4 pG fuse (fuse 14A), 6.A quick-acting fuse (fuse 14A), C1 miniature circuit beaking (fuse 1600 A), C6 miniature circuit breaker (fuse 300 A), C8 miniature		-10 %
holding current in bypass operation rated value Innush current peak at papication of control supply voltage maximum (aurant by closing the bypass contacts maximum (besign of brush current peak at application of control supply voltage maximum (design of short-circuit protection for control circuit design of short-circuit protection for control circuit (besign of short-circuit protection for control circuit (control supply) (control s		10 %
Inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection Varietor design of short-circuit protection for control circuit ### A gG fuse (fcu=1 kA), 6 A quick-acting fuse (fcu=1 kA), C1 miniature circuit breaker (fcu=600 A), C6 miniature circuit breaker (fcu=500 A), I6 miniature circuit breaker (fcu=600 A), I6 minia	control supply current in standby mode rated value	30 mA
Insurance peak at application of control supply voltage maximum duration of firesh current peak at application of control supply voltage design of the overvoltage protection Varistor design of the overvoltage protection Varistor 4 A gG fuse (cu=1 kA), 8 A quick-acting fuse (tcu=1 kA), C1 miniature circuit breaker (tcu=600 A), C6 miniature circuit breaker (tcu=600 A), C6 miniature circuit breaker (tcu=300 A); Is not part of scope of supply Inputs/ Outputs number of digital inputs 1 number of digital outputs 3 not parameterizable 2 digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 3 at AC-15 at 250 Varied value 3 A at DC-15 at 250 Varied value 1 A Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90* rotatable, with vertical mounting surface +/-22.5* titable to the front and back screw fixing height 306 mm width 185 mm depth 203 mm required spacing with side-by-side mounting 100 mm backwards 0 mm crowards 100 mm backwards 0 mm towards 100 mm backwards 0 mm towards 100 mm towards 5 mm at the side 5 mm with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 1.5 mm² maximum 50 m with conductor cross-section = 1.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50 m with conductor cross-section = 0.5 mm² maximum 50	holding current in bypass operation rated value	75 mA
maximum duration of insush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit braker (icu= 600 A), C6 miniature circuit breaker (icu= 300 A), is not part of stoppy liputs/ Outputs number of digital inputs 1 number of digital inputs 2 number of digital outputs 3 number of analog outputs 2 number of analog outputs 3 at AC-15 at 250 V rated value 4 A C 5 at 250 V rated value 5 at AC-15 at 250 V rated value 7 at AC-15 at 250 V rated value 8 at DC-13 at 24 V rated value 9 at DC-13 at 24 V rated value 1 A Basilation mounting/ dimensions mounting position 4 A 22.5° thatale to the front and back screw fixing 4 A 306 mm 4 backwards 4 D 306 mm 4 backwards 5 D mm 4 on	inrush current by closing the bypass contacts maximum	2.5 A
voltage design of the overvoltage protection design of short-circuit protection for control circuit breaker (icu= 800 A), 6 A quick-acting fuse (icu=1 kA), C1 miniature circuit breaker (icu= 800 A), Is not part of scope of supply number of digital inputs number of digital outputs number of allogital outputs number of analog outputs 1 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs at A C-15 at 250 V rated value at DC-13 at 24 V rated value nauthing position fastening method height viith 185 mm depth copy and copy	1 11 11 0	12.2 A
design of short-circuit protection for control circuit by A A G S fuse (Icu=1 KA), 6 A quick-acting fuse (Icu=1 VA), C1 miniature circuit breaker (Icu=600 A), 6 miniature circuit breaker (Icu=300 A), Is not part of scope of supply number of digital inputs number of digital outputs number of allogital output version number of analog outputs other of analog outputs at A C-15 at 250 V rated value at DC-13 at 24 V rated value nauthing position fastening method fastening method height width depth core of supply with vertical mounting surface +/-90" rotatable, with vertical mounting surface frequired spacing with side-by-side mounting frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with side-by-side mounting forwards other of supply num vertical mounting surface frequired spacing with vertical mounting surface forwards of commounting of supply num forwards other of supply number of supply number of analogout place number of ana		2.2 ms
Inputs/ Outputs	design of the overvoltage protection	Varistor
number of digital inputs number of digital outputs number of digital outputs number of adigital outputs number of anot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs at AC-15 at 250 V rated value 1 A Installation/mounting/dimensions mounting position despth fastening method height 306 mm with depth 203 mm required spacing with side-by-side mounting forwards opmovers o	design of short-circuit protection for control circuit	breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of
number of digital inputs number of digital outputs number of digital outputs number of adigital outputs number of anot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs at AC-15 at 250 V rated value 1 A Installation/mounting/dimensions mounting position despth fastening method height 306 mm with depth 203 mm required spacing with side-by-side mounting forwards opmovers o	Inputs/ Outputs	
number of digital outputs • not parameterizable digital output version number of analog outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value • at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position ### According to the foot of the foot	· · · · · · · · · · · · · · · · · · ·	1
e not parameterizable digital output version number of analog outputs e at AC-15 at 250 V rated value at DC-13 at 24 V rated value 1 A Installation/mounting/dimensions mounting position fastening method height width 185 mm depth 203 mm required spacing with side-by-side mounting e forwards backwards ot downwards at the side weight without packaging connections/Torminals type of electrical connection e for main current circuit of or main current circuit e with conductor cross-section = 1.5 mm² maximum e with conductor cross-section = 2.5 mm² maximum e for main contacts for box terminal using the front tx (2.5 mm²) 1x (2.5 mm²)		
digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 0 switching capacity current of the relay outputs • at AC-15 at 250 V rated value 1A installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface • /- 22.5° tiltable to the front and back fastening method screw fixing height 306 mm width 185 mm depth 203 mm required spacing with side-by-side mounting • forwards • backwards • outpwards • outpwards • outpwards • otherwards • at the side 5 mm • ealthe side 5 mm weight without packaging Connections/ Terminals type of electrical connection • for main current circuit spring-loaded terminals wird nonductor cross-section = 0.5 mm² maximum • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 0.5 mm² maximum • wit		
number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value 1 A Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 306 mm width 185 mm depth 203 mm required spacing with side-by-side mounting • forwards 0 mm • backwards 0 mm • upwards 100 mm • downwards 75 mm • at the side 5 mm weight without packaging 75 mm • at the side 5 mm weight without packaging 0.9 kg Connections/ Terminals type of electrical connection • for main current circuit spring-loaded terminals with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front 1x (2.5 50 mm²)	·	
switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value 1 A Installation/mounting/dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 306 mm width 4185 mm 203 mm required spacing with side-by-side mounting forwards 10 mm obackwards 0 mm upwards 4 other of the side 4 other of the side 5 mm weight without packaging Connections/ Terminals type of electrical connection for main current circuit of control circuit width orduductor cross-section = 0.5 mm² maximum with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° fittable		
at AC-15 at 250 V rated value at DC-13 at 24 V rated value installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing height 306 mm witht 455 mm depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • or main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front clamping point solid		
• at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 306 mm width 185 mm depth required spacing with side-by-side mounting forwards 10 mm 10 mm 100 mm 10		3 ^
Installation/ mounting/ dimensions mounting position ### vitable to the front and back fastening method screw fixing height 306 mm width depth 203 mm required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side #### vithout packaging Connections/ Terminals type of electrical connection • for control circuit width of connection bar maximum • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 1.5 mm² m		
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing height 306 mm width 4185 mm depth 203 mm required spacing with side-by-side mounting • forwards • backwards • upwards • 100 mm • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum		TA .
fastening method screw fixing height 306 mm width 185 mm depth 203 mm required spacing with side-by-side mounting • forwards 10 mm • backwards 0 mm • upwards 100 mm • downwards 75 mm • at the side 5 mm weight without packaging 6.9 kg Connections/ Terminals type of electrical connection • for control circuit spring-loaded terminals width of connection bar maximum 25 mm with conductor cross-section = 0.5 mm² maximum 4 with conductor cross-section = 1.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m • with conductor cross-section = 2.5 mm² maximum 250 m		with variant mounting purpose 1/00° retatable with variant mounting purpose
height 306 mm width 185 mm depth 203 mm required spacing with side-by-side mounting • forwards 10 mm • backwards 0 mm • upwards 100 mm • downwards 75 mm • at the side 5 mm weight without packaging 6.9 kg Connections/ Terminals type of electrical connection • for main current circuit spring-loaded terminals width of connection bar maximum 25 mm • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum 150 m • with conductor cross-section = 2.5 mm² maximum 250 m	mounting position	
width 185 mm depth 203 mm required spacing with side-by-side mounting 10 mm • forwards 0 mm • backwards 0 mm • upwards 100 mm • downwards 5 mm • at the side 5 mm weight without packaging 6.9 kg Connections/ Terminals type of electrical connection box terminal • for control circuit spring-loaded terminals width of connection bar maximum 25 mm wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum 50 m • with conductor cross-section = 1.5 mm² maximum 150 m • with conductor cross-section = 2.5 mm² maximum 250 m type of connectable conductor cross-sections 1x (2.5 16 mm²) • for main contacts for box terminal using the front clamping point solid 1x (2.5 50 mm²)	fastening method	screw fixing
depth 203 mm required spacing with side-by-side mounting 10 mm • forwards 0 mm • backwards 100 mm • downwards 75 mm • at the side 5 mm weight without packaging 6.9 kg Connections/ Terminals type of electrical connection 6 y kg • for main current circuit box terminal • for control circuit spring-loaded terminals width of connection bar maximum 25 mm wire length for thermistor connection 0 mm • with conductor cross-section = 0.5 mm² maximum 50 mm • with conductor cross-section = 2.5 mm² maximum 150 mm • with conductor cross-section = 2.5 mm² maximum 250 mm • with conductor cross-sections 1x (2.5 16 mm²) • for main contacts for box terminal using the front clamping point solid 1x (2.5 50 mm²)	height	306 mm
required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit with of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front 1x (2.5 16 mm²)	width	185 mm
forwards backwards upwards upwards downwards at the side 5 mm weight without packaging Connections/ Terminals type of electrical connection for main current circuit	depth	203 mm
backwards upwards upwards downwards at the side 5 mm weight without packaging Connections/ Terminals type of electrical connection for main current circuit	required spacing with side-by-side mounting	
 upwards downwards at the side 5 mm 6.9 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit for connection bar maximum width of connection bar maximum with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum owith conductor cross-section = 2.5 mm² maximum or main contacts for box terminal using the front clamping point solid for main contacts for box terminal using the front for main contacts for box terminal using the front for main contacts for box terminal using the front for main contacts for box terminal using the front for main contacts for box terminal using the front for main contacts for box terminal using the front for main contacts for box terminal using the front for main contacts for box terminal using the front 	• forwards	10 mm
o downwards o at the side o mm Weight without packaging 6.9 kg Connections/ Terminals type of electrical connection o for main current circuit o for control circuit o for control circuit width of connection bar maximum wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum o with conductor cross-sections or for main contacts for box terminal using the front clamping point solid o for main contacts for box terminal using the front clamping point solid o for main contacts for box terminal using the front 1x (2.5 16 mm²)	• backwards	0 mm
 at the side weight without packaging 6.9 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit for connection bar maximum width of connection bar maximum wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum for main contacts for box terminal using the front clamping point solid for main contacts for box terminal using the front for main contacts for box terminal using the front 1x (2.5 16 mm²) 	• upwards	100 mm
weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front 1x (2.5 16 mm²)	• downwards	75 mm
type of electrical connection • for main current circuit • for control circuit • for connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front	• at the side	5 mm
type of electrical connection • for main current circuit • for control circuit • for connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front • for main contacts for box terminal using the front	weight without packaging	6.9 kg
type of electrical connection • for main current circuit • for control circuit spring-loaded terminals width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front 1x (2.5 50 mm²)		
 for main current circuit for control circuit spring-loaded terminals width of connection bar maximum wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point solid for main contacts for box terminal using the front for main contacts for box terminal using the front 1x (2.5 16 mm²) 1x (2.5 50 mm²) 	Connections/ Terminals	
 for control circuit width of connection bar maximum wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point solid for main contacts for box terminal using the front for main contacts for box terminal using the front 1x (2.5 16 mm²) 1x (2.5 50 mm²) 		
width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front 1x (2.5 16 mm²) 1x (2.5 50 mm²)	type of electrical connection	box terminal
wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum 250 m type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front 1x (2.5 16 mm²)	type of electrical connection • for main current circuit	
 with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point solid for main contacts for box terminal using the front 1x (2.5 16 mm²) 1x (2.5 50 mm²) 	type of electrical connection	spring-loaded terminals
 with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point solid for main contacts for box terminal using the front for main contacts for box terminal using the front 1x (2.5 16 mm²) 1x (2.5 50 mm²) 	type of electrical connection	spring-loaded terminals
with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections	type of electrical connection	spring-loaded terminals 25 mm
type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front 1x (2.5 16 mm²)	type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum	spring-loaded terminals 25 mm 50 m
 for main contacts for box terminal using the front clamping point solid for main contacts for box terminal using the front 1x (2.5 16 mm²) 1x (2.5 50 mm²) 	type of electrical connection	spring-loaded terminals 25 mm 50 m 150 m
• for main contacts for box terminal using the front 1x (2.5 50 mm²)	type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum	spring-loaded terminals 25 mm 50 m 150 m
	type of electrical connection	spring-loaded terminals 25 mm 50 m 150 m 250 m

 for main contacts for box terminal using the front clamping point stranded 	1x (10 70 mm²)
for main contacts for box terminal using the back clamping point solid	1x (2.5 16 mm²)
for AWG cables for main contacts for box terminal using the back clamping point	1x (10 2/0)
 for main contacts for box terminal using both clamping points solid 	2x (2.5 16 mm²)
 for main contacts for box terminal using both clamping points finely stranded with core end processing 	2x (2.5 35 mm²)
 for main contacts for box terminal using both clamping points stranded 	2x (6 16 mm²), 2x (10 50 mm²)
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	1x (2.5 50 mm²)
 for main contacts for box terminal using the back clamping point stranded 	1x (10 70 mm²)
type of connectable conductor cross-sections	
for control circuit solid	2x (0.25 1.5 mm²)
 for control circuit finely stranded with core end processing 	2x (0.25 1.5 mm²)
for AWG cables for control circuit solid	2x (24 16)
• for AWG cables for control circuit finely stranded with	2x (24 16)
core end processing	
wire length	
 between soft starter and motor maximum 	800 m
at the digital inputs at AC maximum	100 m
tightening torque	
 for main contacts with screw-type terminals 	4.5 6 N·m
 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m
terminals	
tightening torque [lbf·in]	
 for main contacts with screw-type terminals 	40 53 lbf·in
 for auxiliary and control contacts with screw-type 	7 10.3 lbf-in
terminals	
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
installation altitude at height above sea level maximum ambient temperature	5 000 m; Derating as of 1000 m, see catalog
	5 000 m; Derating as of 1000 m, see catalog -25 +60 °C; Please observe derating at temperatures of 40 °C or above
ambient temperature	
ambient temperatureduring operationduring storage and transport	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
ambient temperature • during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq max = 65 kA
ambient temperature	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq max = 65 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA

of the fuse	
 usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 300 A; Iq = 10 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 250 A; Iq = 100 kA
 usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 300 A; Iq = 10 kA
 usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 250 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
 at 200/208 V at 50 °C rated value 	25 hp
• at 220/230 V at 50 °C rated value	30 hp
at 460/480 V at 50 °C rated value	60 hp
 at 200/208 V at inside-delta circuit at 50 °C rated value 	40 hp
 at 220/230 V at inside-delta circuit at 50 °C rated value 	50 hp
• at 460/480 V at inside-delta circuit at 50 °C rated value	100 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front according to IEC 60529	IP00; IP20 with cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover
electromagnetic compatibility	in accordance with IEC 60947-4-2
Cartificated annuals	

Certificates/ approvals

General Product Approval

EMC



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5227-3TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5227-3TC14

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW5227-3TC14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5227-3TC14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

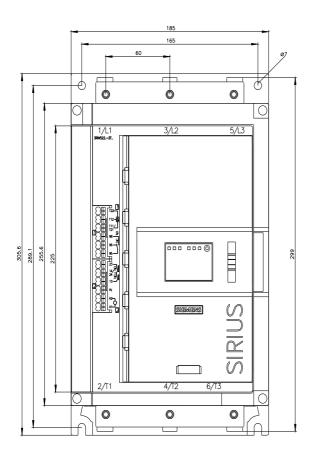
https://support.industry.siemens.com/cs/ww/en/ps/3RW5227-3TC14/char

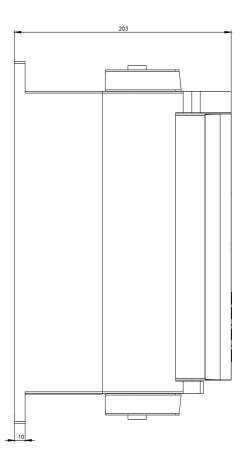
Characteristic: Installation altitude

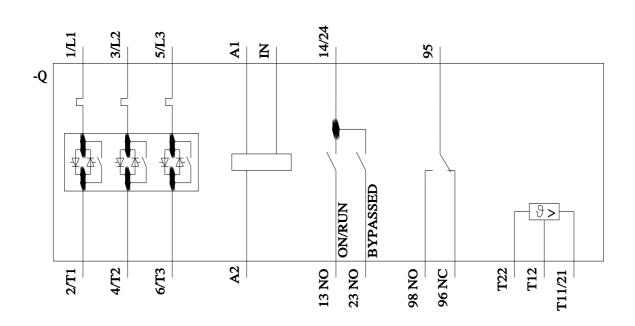
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5227-3TC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

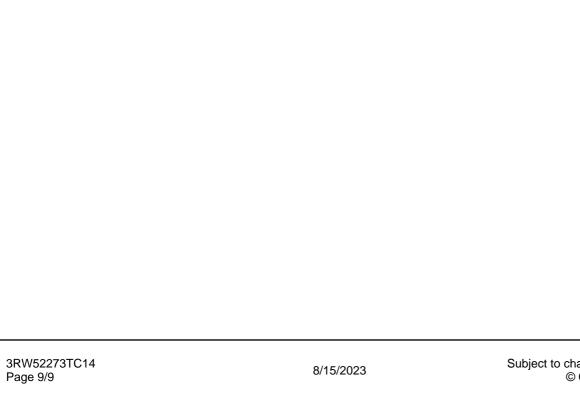
https://support.industry.siemens.com/cs/ww/en/view/101494917







last modified: 1/14/2023 🖸



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RW52273TC14